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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/581,819	05/14/2007	Elke Zakel	7751P005	7190
	7590 02/26/201 ff Taylor & Zafman	EXAMINER		
7th Floor	•	NGUYEN, DUY T V		
12400 Wilshire Los Angeles, C			ART UNIT	PAPER NUMBER
Ç ,			2894	
			MAIL DATE	DELIVERY MODE
			02/26/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
10/581,819	ZAKEL ET AL.		
Examiner	Art Unit		

NOTICE OF APPEAL 2. ☐ The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS 3. ☐ The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) ☐ They raise new issues that would require further consideration and/or search (see NOTE below); (b) ☐ They raise the issue of new matter (see NOTE below); (c) ☐ They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) ☐ They present additional claims without canceling a corresponding number of finally rejected claims. NOTE: ☐ (See 37 CFR 1.116 and 41.33(a)). 4. ☐ The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). 5. ☐ Applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection(s): ☐ (See applicant's reply has overcome the following rejection of the submitted in a separate, timely filed amendment canceling the non-allowable claim(s). (See applicant file proposed amendment(s): 0 ☐ (See applicant file proposed amendment(s): 0 ☐ (See applicant file proposed		DUY T. NGUYEN	2894	
 1.	The MAILING DATE of this communication appe	ars on the cover sheet with the c	orrespondence add	ress
application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 1.14. The reply must be filed within one of the following time periods: a) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection. The period for reply expires are (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection. The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection. The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection. The period for reply expires of the final rejection. The period for reply expires of the final rejection. The period for the period	THE REPLY FILED <u>22 October 2009</u> FAILS TO PLACE THIS A	PPLICATION IN CONDITION FOR	R ALLOWANCE.	
a) ☐ The period for reply expires of _months from the mailing date of the final rejection, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. Examiner hate: If box it is checked, check citatre tox (a) or (b). VILY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILLED WITHIN TWO MONTHS OF THE FINAL REJECTION. See NMEEP 706.07(f). Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee have been filed in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, over if timely filed, may reduce any amend patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL If the Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 (a), to avoid dismissal of the appeal. Since a Notice of Appeal was filed on great part of the feet of the period set for this part of the feet of the period set filed was presented by the period set for the feet	application, applicant must timely file one of the following application in condition for allowance; (2) a Notice of Appe for Continued Examination (RCE) in compliance with 37 C	replies: (1) an amendment, affidavit eal (with appeal fee) in compliance	, or other evidence, w with 37 CFR 41.31; or	hich places the (3) a Request
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have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) asset forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). NOTICE OF APPEAL 2. The Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37 (must be filed within two months of the date of filing the Notice of Appeal was filed on A brief in compliance with 37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a). AMENDMENTS 3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because (a) They raise new issues that would require further consideration and/or search (see NOTE below); (b) They raise the issue of new matter (see NOTE below); (c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or (d) They present additional claims without canceling a corresponding number of finally rejected claims. NOTE: (See 37 CFR 1.116 and 41.33(a)). Applicant's reply has overcome the following rejection(s): (See 37 CFR 1.126 and 41.33(a)). The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324). Applicant's reply has overcome the following rejection(s): (See 37 CFR 1.136(e). Note: (See 37 CFR 1.136(e). Note: (See 37 CFR 1.136(e). Note:	b) The period for reply expires on: (1) the mailing date of this An no event, however, will the statutory period for reply expire la Examiner Note: If box 1 is checked, check either box (a) or (left).	dvisory Action, or (2) the date set forth in ter than SIX MONTHS from the mailing b). ONLY CHECK BOX (b) WHEN THE	date of the final rejection	on.
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because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e). 9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will <u>not</u> be entered because the affidavit or other evidence failed to overcome <u>all</u> rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1). 10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached. REQUEST FOR RECONSIDERATION/OTHER 11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Continuation Sheet. 12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). 13. Other: (Kimberly D Nguyen/		. h . f	4:	
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Continuation Sheet of 11:

-In response to applicant's argument filed on 10/22/09, page 12 "Furthermore, even if Tanaka and Nakate combined..., as recited in claim 1", and pages 14-15 "Furthermore, even if Tanaka, Nakata, and Lutz were combined...., as recited in claim 9." The examiner respectfully disagrees.

-First, Tanaka teaches an IC chip (die) (7) having pad (8) in which a chip (die) is defined as piece of semiconductor wafer containing the entire circuit or a single piece of semiconductor containing entire integrated circuit which has not yet been packaged; equivalent term – chip (refer to http://www.semi1source.com/glossary, keyword: chip or die). Tanaka does also teach an IC mounting circuit substrate (considered as a wafer) including circuit conductor pattern (2) and IC pad junctioning bumps 3 (Fig. 1). The IC chip (die) and the IC mounting circuit substrate can be considered as two wafer like component composite arrangements. Tanaka also teaches YAG laser (col. 4, line 57).

Second, Nakate teaches a composite arrangement of a plurality of diode lasers (laser beam irradiating apparatus or YAG laser welding, Figs. 1, 26, abstract and col. 1, lines 16-17) which are activated individual or in group to emit laser radiation (col. 1, lines 44-47, col. 2, lines 18-21, and col. 8, lines 31-40). Nakata does also teach "laser diode 1 or the optical system 8 is shifted" with respect to a position correcting welding point ((Figs. 8A-B, cols. 11-12).

-Third, Lutz teaches an infrared transmission alignment method and box 40 (Fig. 5) provides an x-y stage to move the wafer relative to the laser scanner or laser beam which either remains immobile or simitaneously moves (col. 5, lines 5-10, 15-16, col. 7, lines 66-67, and col. 8, lines 1-5).

-Therefore, given its broadest reasonable interpretation, Tanka/Nakate/Lutz meet the claimed invention.